

Amendments to the Claims:

Please amend Claims 28, 30, 31, 37 through 39, 41 through 44, and 47 to read, as follows.

Claims 1 through 27. **(Canceled)**

28. **(Currently Amended)** An image forming apparatus comprising:

an image bearing member;

image forming means for forming a toner image and a toner patch image for density detection on said image bearing member;

a transfer device including a transfer medium for transferring the toner image onto a transfer material, ~~material~~;

wherein said transfer device transfers ~~transfer means for transferring~~ the toner patch image using a settable transfer bias onto said transfer medium; and

a density sensor ~~detecting means~~ for detecting a density of the toner patch image transferred onto ~~[[on]]~~ said transfer medium,

wherein an image forming condition for forming the toner image by said image forming means on said image bearing member is controlled in accordance with an output of said density sensor, ~~detecting means~~; and

wherein a setting value of the transfer bias for transferring the toner patch image onto said transfer medium is changeable in correspondence with a density to be used to form the toner patch image on said image bearing member, ~~image~~.

29. **(Previously Presented)** An apparatus according to Claim 28, wherein a setting value of the transfer bias for the toner patch image when the toner patch image having a maximum density image formed on said image bearing member is transferred onto said transfer medium is larger than a setting value of the transfer bias for the toner patch image when the toner patch image having a halftone density image formed on said image bearing member is transferred onto said transfer medium.

30. **(Currently Amended)** An apparatus according to Claim 28 or 29, wherein said image forming means includes an exposure device means for exposing a surface of said image bearing member, which has been electrically charged, in accordance with image information with an exposure amount, which is changeable in accordance with the density of the toner patch image.

31. **(Currently Amended)** An apparatus according to Claim 30, wherein a surface potential of said image bearing member exposed by said exposure device means is changeable in accordance with the density of the toner patch image.

32. **(Previously Presented)** An apparatus according to Claim 28 or 29, wherein the setting value of the transfer bias for the toner patch image is changeable in correspondence with a toner gradation level of the toner patch image.

Claims 33 through 35. **(Canceled)**

36. **(Previously Presented)** An apparatus according to Claim 28, wherein the setting value of the transfer bias for the toner patch image corresponds to a voltage level.

37. **(Currently Amended)** An apparatus according to Claim 28, further comprising an ambient condition sensor ~~detecting means~~ for detecting an ambient condition,

wherein the setting value of the transfer bias for the toner patch image is changeable in correspondence with an output of said ambient condition sensor. ~~detecting means~~.

38. **(Currently Amended)** An apparatus according to Claim 37, wherein said ambient condition sensor ~~detecting means~~ detects temperature.

39. **(Currently Amended)** An apparatus according to Claim 37 or 38, wherein said ambient condition sensor ~~detecting means~~ detects humidity.

40. **(Canceled)**

41. **(Currently Amended)** An apparatus according to Claim 28, wherein said image forming means includes a developing device ~~means~~ for developing a latent image formed on said image bearing member, and

wherein a voltage applied to said developing device ~~means~~ is controlled in accordance with an output of said density sensor. ~~detecting means~~.

42. **(Currently Amended)** An image forming apparatus comprising:

an image bearing member;

image forming means for forming a toner image and a toner patch image for density detection on said image bearing member;

a transfer device having a transfer medium for transferring the toner image onto a transfer material, material;

wherein said transfer device transfers ~~transfer means for transferring~~ the toner patch image using a settable transfer bias onto said transfer medium;

a density sensor ~~detecting means~~ for detecting a density of the toner patch image transferred onto ~~[[on]]~~ said transfer medium,

wherein an image forming condition for forming the toner image by said image forming means on said image bearing member is controlled in accordance with an output of said density sensor; ~~detecting means~~; and

an ambient condition sensor ~~detecting means~~ for detecting an ambient condition,

wherein a setting value of the transfer bias for transferring the toner patch image onto said transfer medium is changeable in correspondence with an output of said ambient condition sensor. ~~detecting means~~.

43. **(Currently Amended)** An apparatus according to Claim 42, wherein said ambient condition sensor ~~detecting means~~ detects temperature.

44. **(Currently Amended)** An apparatus according to Claim 42 or 43, wherein said ambient condition sensor ~~detecting means~~ detects humidity.

45. **(Previously Presented)** An apparatus according to Claim 42, wherein the setting value of the transfer bias for the toner patch image bias corresponds to a voltage level.

46. **(Canceled)**

47. **(Currently Amended)** An apparatus according to Claim 42, wherein said image forming means includes a developing sensor ~~means~~ for developing a latent image formed on said image bearing member,

wherein a voltage applied to said developing sensor ~~means~~ is controlled in accordance with an output of said density sensor. ~~detecting means~~.

48. **(Previously Presented)** An apparatus according to Claim 28 or 42, wherein said transfer medium carries the transfer material.